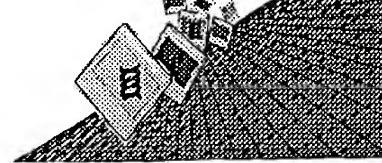
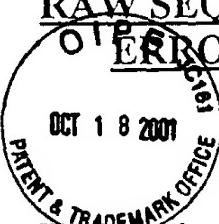


Sorbelli

BIO1 JHN DGY  
SYSTEMS  
BRANCH

7-26-0  
PZ

RAW SEQUENCE LISTING  
OF  
ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/515, 369A

RECEIVED

Source: 1633

JUL 25 2001

Date Processed by STIC: 7-5-01

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



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JUL 25 2001

## Sequence Listing Error Summary

TECH CENTER 1600/2900

ERROR DETECTEDSUGGESTED CORRECTIONSERIAL NUMBER: 09/515,369A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1  Wrapped Nucleic  
       Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2  Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3  Misaligned Amino  
      Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4  Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5  Variable Length Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6  PatentIn 2.0  
      "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7  Skipped Sequences  
      (OLD RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES." response to include the skipped sequences.
- 8  Skipped Sequences  
      (NEW RULES) Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9  Use of n's or Xaa's  
      (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10  Invalid <213>  
      Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11  Use of <220> Sequence(s) \_\_\_\_\_ missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12  PatentIn 2.0  
      "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.



1633

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/515,369A

DATE: 07/05/2001  
TIME: 12:54:49

Input Set : A:\56778.txt  
Output Set: N:\CRF3\07032001\I515369A.raw

3 <110> APPLICANT: Fisher, Paul  
4 Madireddi, Malavi  
6 <120> TITLE OF INVENTION: MELANOMA DIFFERENTIATION ASSOCIATED GENE-7 PROMOTER AND USES  
THEREOF  
8 <130> FILE REFERENCE: 0575/56778/JPW/APE  
10 <140> CURRENT APPLICATION NUMBER: 09/515,369A  
11 <141> CURRENT FILING DATE: 2000-02-29  
13 <160> NUMBER OF SEQ ID NOS: 13  
15 <170> SOFTWARE: PatentIn version 3.0  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 2286  
19 <212> TYPE: DNA  
20 <213> ORGANISM: Human  
22 <400> SEQUENCE: 1  
23 taatacgaact cactataggg cgtcgactcg atcacctttt gaacccagg ctgcctgcct 60  
25 ccaaaggcttg tactcataac tagattctca actgatgttg ggccaagggtt cctagttct 120  
27 ctcccttacc ttcccttctga agtaataatg ctatgataag ctcatcgagg gctgaggccc 180  
29 aggacatgtt ttgcctgaac tatccatgtt atatgattcc ttccctcagac agagttagct 240  
31 actcacatc ccagggtgtac cctgaggcca gccaaagggtt atccatgacc tcattgcctct 300  
33 gttccagcct gcccatttaac agtcataccc acctgcctgc cctcccccgc tatctgcaga 360  
35 cagtagtcta ggatttcaga tgccctgggg gctcattttc cctctcagct tcctgcctta 420  
37 gctgtctctt gcctcccaact cacctattac tccagactc tcacctggcc ttctttctg 480  
39 tctcatcaact gcctcttgac atcttatct catagtagtt agtttaggggt tcttggtaat 540  
41 gcctctaaatc cacatgggg qaagggggga gtggggggaa agagtgcgt gtggggctgt 600  
43 gcctactttt ggagggtaag actcgggccc tccaggaaca aaggattcag gctgggtggca 660  
45 gctatagcca agcagactgc tggccaggga ttgcaaaaggaa gtattttgtt tgcttaagaa 720  
47 aataaacaac actgagatgt agatggaggg aggggggtt ggtgccagag agattggaa 780  
49 gagttcgcca aggggtgtttt ctactcaact tcctctttt tttcatctcc actgagctgg 840  
51 aggcaaggat cctgtcccc acgtcacatt cctactcccg ttcccatgc ctggaccagg 900  
53 gttgggcaaa ctcttcctgt aaagaaccag acaggaacta ttttaggctc tgtgtgccat 960  
55 atgggtctcag tcacaactac tcatctctgc ctctgttagca cggaaagcaat tagcaacaat 1020  
57 atgtcaacaa acatatgtga ccccatgaaa actttatata ttatggatac ggaaacctga 1080  
59 aaataatgtc ttcttttga tttttccccca aatcattaaa aaacgtaaaaa actactctta 1140  
61 ggtcgcaagg ttaagccatt ctcaagttttag cagtggcagg ctggattttgg cttgtgacct 1200  
63 acagttggcc aatccctgtat tcccaaaatg tattcctcag ggtatgtggc aaatacttat 1260  
65 gggaaagtgtt ggattaaaca gagttaaagaa gcatcagaca ttccaggac gggctagcac 1320  
67 atgccaggc tctctactg acctcattgg attcatctgt ttcatggagg atcttgcaag 1380  
69 acaagaattc ctcaaaccata gagtctgagg actgtgtttt gggaaacact gctctgcttg 1440  
71 atgccctcact tggcacatg gtataatcta gagctgagtg cttctgttagc tggagatagg 1500  
73 gtcagagctc ttgactgccc tggcagtctt gacacatcac gctgtctgtt tccctgtgt 1560  
75 ggttcagagc cacacaggcc aagactagcc caccagagca ccaggcctcc cagctttctg 1620  
77 ggcttgcata tgcgtacatt tccttattct tcctggttc cagaacctaa ggagaggcac 1680  
79 attttggttt agtGattata accctaggaa ccatgggttag ctgcattgtca ggaaacactc 1740  
81 ctcaacttcc tggccctgtat ggattaaagg agaggtactt acaggttattt ttttcgtgt 1800  
83 ggactactgtt cccagcatga atagggcattt attattgaat tattttgaca ggaaggagac 1860  
85 tgggttatgc tgcacagtaa taatgtattt acatgtgtac agagtttacc aagcacctct 1920  
87 gtgttggttt tgcctttgtt tattacactt gggacaaattt tttaaaattt atacatgcag 1980  
89 agactgcagc gcagagaagg taagagactt gcccctgcctt acacagccag tggtagagcc 2040

Does Not Comply  
Corrected Diskette Needed  
See p. 4

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/515,369A

DATE: 07/05/2001  
TIME: 12:54:49

Input Set : A:\56778.txt  
Output Set: N:\CRF3\07032001\I515369A.raw

```

91 tgaactcaaa cccaggtctc atctcaccc aggggctgct ttccccatcg ctgtattgtc 2100
93 cttaaaagtga tgggtgacta ggcaatgaag taatttctta gaaaaagcatg accaatttcc 2160
95 ctttctccac ctccctctt ttccctccacc cctccccat cagccccat atatatgcc 2220
97 aaatctccac aaagccttgc ttgcttgcaa acctttactt ctgaaaatgac ttccacggct 2280
99 gggacg 2286

102 <210> SEQ ID NO: 2
103 <211> LENGTH: 21
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: ()..()
110 <223> OTHER INFORMATION: primer
113 <400> SEQUENCE: 2
114 cgtcccagcc gtggaaagtca t 21
117 <210> SEQ ID NO: 3
118 <211> LENGTH: 21
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
124 <222> LOCATION: ()..()
125 <223> OTHER INFORMATION: primer
128 <400> SEQUENCE: 3
129 aggctggatt tggcttgtga c 21
132 <210> SEQ ID NO: 4
133 <211> LENGTH: 21
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: ()..()
140 <223> OTHER INFORMATION: primer
143 <400> SEQUENCE: 4
144 ctgtttaatc cagcaattcc c 21
147 <210> SEQ ID NO: 5
148 <211> LENGTH: 21
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <222> LOCATION: ()..()
155 <223> OTHER INFORMATION: primer
158 <400> SEQUENCE: 5
159 cgcttgatga ctcagccgga a 21
162 <210> SEQ ID NO: 6
163 <211> LENGTH: 20
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence

```

**RAW SEQUENCE LISTING** DATE: 07/05/2001  
**PATENT APPLICATION:** US/09/515,369A **TIME:** 12:54:49

Input Set : A:\56778.txt  
Output Set: N:\CRF3\07032001\I515369A.raw

167 <220> FEATURE:  
168 <221> NAME/KEY: misc\_feature  
169 <222> LOCATION: ()..()  
170 <223> OTHER INFORMATION: primer  
173 <400> SEQUENCE: 6  
174 tgcatgtgc gcaatctgca  
177 <210> SEQ ID NO: 7  
178 <211> LENGTH: 21  
179 <212> TYPE: DNA  
180 <213> ORGANISM: Artificial Sequence  
182 <220> FEATURE:  
183 <221> NAME/KEY: misc\_feature  
184 <222> LOCATION: ()..()  
185 <223> OTHER INFORMATION: primer  
188 <400> SEQUENCE: 7  
189 cgcttgatga cttggccgga a  
192 <210> SEQ ID NO: 8  
193 <211> LENGTH: 22  
194 <212> TYPE: DNA  
195 <213> ORGANISM: Artificial Sequence  
197 <220> FEATURE:  
198 <221> NAME/KEY: misc\_feature  
199 <222> LOCATION: ()..()  
200 <223> OTHER INFORMATION: primer  
203 <400> SEQUENCE: 8  
204 tgcagagaga ctatgtctcg ca  
207 <210> SEQ ID NO: 9  
208 <211> LENGTH: 61  
209 <212> TYPE: DNA  
210 <213> ORGANISM: Artificial Sequence  
212 <220> FEATURE:  
213 <221> NAME/KEY: misc\_feature  
214 <222> LOCATION: ()..()  
215 <223> OTHER INFORMATION: primer  
218 <400> SEQUENCE: 9  
219 uuguauuuau uacaacucua uuuuauuuau gucaguauuu caacugaagu ucuauuuauu  
221 u  
224 <210> SEQ ID NO: 10  
225 <211> LENGTH: 15  
226 <212> TYPE: DNA  
227 <213> ORGANISM: Artificial Sequence  
229 <220> FEATURE:  
230 <221> NAME/KEY: misc\_feature  
231 <222> LOCATION: ()..()  
232 <223> OTHER INFORMATION: primer  
235 <400> SEQUENCE: 10  
236 uauuuauuuua uuuuau  
239 <210> SEQ ID NO: 11  
240 <211> LENGTH: 51  
20  
21  
22  
60  
61  
15

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/515,369A

DATE: 07/05/2001  
TIME: 12:54:49

Input Set : A:\56778.txt  
Output Set: N:\CRF3\07032001\I515369A.raw

241 <212> TYPE: DNA		
242 <213> ORGANISM: Artificial Sequence		
244 <220> FEATURE:		
245 <221> NAME/KEY: misc_feature		
246 <222> LOCATION: ()..()		
247 <223> OTHER INFORMATION: primer		
250 <400> SEQUENCE: 11		
251 uaaaaauuuau auauuuauau uuuuaaaaua uuuauuuauu uauuuauuuua a		51
254 <210> SEQ ID NO: 12		
255 <211> LENGTH: 38		
256 <212> TYPE: DNA		
257 <213> ORGANISM: Artificial Sequence		
259 <220> FEATURE:		
260 <221> NAME/KEY: misc_feature		
261 <222> LOCATION: ()..()		
262 <223> OTHER INFORMATION: primer		
265 <400> SEQUENCE: 12		
W--> 266 suncauuuau uauuuauuuau uuaauuuuaa uuuauuuua		38
269 <210> SEQ ID NO: 13		
270 <211> LENGTH: 56		
271 <212> TYPE: DNA		
272 <213> ORGANISM: Artificial Sequence		
274 <220> FEATURE:		
275 <221> NAME/KEY: misc_feature		
276 <222> LOCATION: ()..()		
277 <223> OTHER INFORMATION: primer		
280 <400> SEQUENCE: 13		
281 guuuuuauu uauuuauua gauggauucu cagauauua uauuuuuauu uaauuu		56

Sequence #12 , is missing the  
mandatory <220> to <223> features  
to explain the "n" in the sequence  
See #9 on the Error Summary  
Sheet.

**VERIFICATION SUMMARY** DATE: 07/05/2001  
PATENT APPLICATION: US/09/515,369A TIME: 12:54:50

Input Set : A:\56778.txt  
Output Set: N:\CRF3\07032001\I515369A.raw

L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12